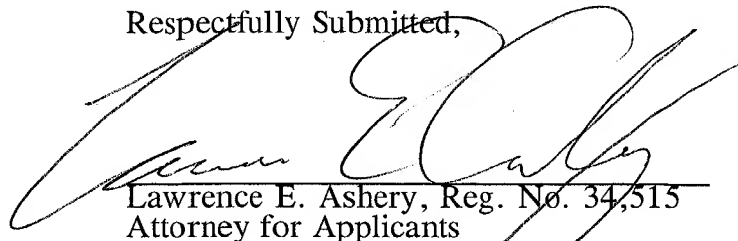


REMARKS

Claims 1 and 4 have been amended.

Respectfully Submitted,



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LEA/dlm

Enclosures: Amended Abstract

Version with markings to show changes made

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The Assistant Commissioner for Patents is  
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Kathleen Libby

## VERSION WITH MARKINGS TO SHOW CHANGES MADE

CLAIMS:

- 1 1. (Amended) A brushless motor comprising:  
2 a rotor with a permanent magnet having P (P is an integer not less  
3 than two) ~~pieces of polarity~~ polarities; and  
4 a stator facing said rotor and having a plurality of coils,  
5 wherein any one of the coils has isosceles sides interlinking with a  
6 magnetic field generated by the polarities, ~~and extension lines of the isosceles~~  
7 ~~sides, extending through~~ along centers of winding-bundles of the coil, ~~toward a~~  
8 ~~shaft center crossing~~ each other at the a shaft center and form having an vertex  
9 angle of  $360/P$  degree.
- 1 4. (Amended) The brushless motor as defined in Claim 3,  
2 wherein the coils adjacent to each other ~~is~~ are spaced out at intervals of  $(360/P)$   
3  $\times (5/3)$  degree.

ABSTRACT:

A three-phase brushless motor includes a rotor with a permanent magnet having P (P is an integer not less than two) ~~pieces of polarity~~ polarities and a stator facing the rotor and having plural coils shaped in approx. triangle or trapezoid. A space between adjacent coils is  $(360/P) \times (5/3)$  degree. Three position-detectors, which detect the position of the rotor, is placed at intervals of  $(360/P) \times (2/3)$  degree in an area where no coils are placed. This structure allows the coils to be optimally shaped and placed, and realizes to reduce a number of coils as well as improve the motor characteristics.